Wh	What is claimed is:		
1	1. Amethod of selecting a resource for a work item,		
. 2	comprising;		
3	determining available resources that possess skills needed by		
4	the work item;		
5	for each of the determined resources, determining a business		
6	value of having the resource service the work item;		
7	for each of the determined resources, determining a value to		
8	the resource of servicing the work item; and		
9	selecting a determined resource that has a best combined		
10	value of the business value and the value to the resource, to serve the		
11	work item.		
1	2. The method of claim 1 wherein:		
2	determining a business value comprises		
3	determining the business value weighted by a business value		
4	weight corresponding to the work item;		
5	determining a value to the resource comprises		
6	determining the value to the resource weighted by a resource		
, 7	value weight corresponding to the work item; and		
8	selecting comprises		
9	selecting a determined resource that has a best combined		
10	value of the weighted business value and the weighted value to the		
11	resource.		
1	3. The method of claim 2 wherein:		
2	determining a business value comprises		
3	determining a weighted business value as a product of (a) the		
4	business value weight corresponding to the work item and (b) a sum of		

products of a level of each said needed skill of the resource and a weight

6	of said needed skill of the work item; and
7	determining a value to the resource comprises
8	determining a weighted resource treatment value as a product
9	of (c) a resource treatment weight corresponding to the work item and (d)
10	a sum of products of each treatment of the resource and a weight of said
11	treatment of the resource.
1	4. The method of claim 3 wherein:
2	the sums of products are scaled sums, and
3	the treatments are scaled treatments.
1	5. The method of claim 4 wherein:
2	selecting comprises
3	selecting the determined resource that has a highest sum of the
4	weighted business value and the weighted resource treatment value.
1	6. The method of claim 3 wherein:
2	the resource treatments of a resource comprise a time since
3	the resource became available and a time that the resource has not spent
4	serving work items.
1	7. The method of claim 6 wherein:
2	the treatments of the resource further comprise a measure of
3	an effect that serving of the work item would have on a goal of the
4	resource.
1	8. The method of claim 7 wherein:
2	the measure of the effect comprises a difference between (a) a
3	distance of an actual allocation of worktime of the resource among skills
4	from a goal allocation of the worktime of the resource among the skills and
5	(b) a distance of an estimated allocation of the worktime of the resource

6	among the skills if the resource serves the work item from the goal
7	allocation.
1	9. A method/of selecting a resource for a work item,
2	comprising:
3	determining available resources that possess skills needed by
4	The work item;
5	for each of the determined resources, determining a business
6	value comprising a sum across all skills of a product of a skill level of the
7	resource in the skill and a skill weight of the work item for the skill;
8	for each of the determined resources, determining a resource
9	treatment value comprising a sum across all resource treatments of a
10	product of a value of the resource for the resource treatment and a weigh
11	of the work item for the resource treatment; and
12	selecting a determined resource that has a best combined
13	score of its business value and its resource treatment value, to serve the
14	work item
	10. The method of claim 0 whoreing
1	10. The method of claim 9 wherein:
2	the resource treatments of a resource comprise a time since
3	the resource became available, a time that the resource has spent not
4	serving work items, and a measure of an effect that serving the work item
5	would have on a goal of the resource.
1	11. The method of claim 9 wherein:
2	determining a business value comprises
3	determining a scaled business value comprising the business
4	value scaled by a first scaling factor that is common to all of the
5	determined resources;
6	determining a resource treatment value comprises
7	for each resource treatment, determining a scaled value of the

Ö	resource comprising the value of the resource for that resource treatment
9	scaled by a scaling factor that is common for that resource treatment to all
10	of the determined resources, and
11	determining a scaled resource treatment value comprising a
12	sum, scaled by a second scaling factor that is common to all of the
13	determined resources, across all resource treatments of a product of the
14	scaled value of the resource for the resource treatment and a weight of
15	the work item for the resource treatment; and
16	selecting comprises
17	selecting a determined resource that has a best sum of its
18	scaled business value and its scaled resource treatment value to serve
19	the work item.
	•
1	12. The method of claim 11 wherein:
2	each scaling factor comprises a fraction having in its
3	denominator a maximum value of the value to which said scaling factor
4	applies of any of the resources.
	New York
1	13. Amethod of selecting a work item for a resource,
2	comprising:
3	determining available work items that need skills possessed by
A	the resource;
5	for each of the determined work items, determining a business
6	value of having the resource service the work item;
7	for each of the determined work items, determining a value to
8	the work item of being serviced by the resource; and
9	selecting a determined work item that has a best combined
10	value of the business value and the value to the work item to be served by
11	the resource.
	•

14. The method of claim 13 wherein:

2	determining business value comprises
3	determining the business value weighted by a business value
4	weight corresponding to the work item;
5	determining a value to the work item comprises
6	determining the value to the work item weighted by a work item
7	value weight corresponding to the work item; and
8	selecting comprises
9	selecting a determined work item that has a best combined
10	value of the weighted business value and the weighted value to the work
11	item.
1	15. The method of claim 14 wherein:
2	determining a business value comprises
3	determining a weighted business value as a product of (a) the
4	business value weight corresponding to the work item and (b) a sum of
5	products of a level of each said needed skill of the resource and a weight
6	of said needed skill of the work item; and
7	determining a value to the work item comprises
8	determining a weighted work item treatment value as a produc
9	of (c) a work item treatment weight corresponding to the work item and (d
10	a sum of products of each treatment of the work item and a weight of said
11	treatment of the work item.
1	16. The method of claim 15 wherein:
2	the sums of products are scaled sums, and
3	the treatments are scaled treatments.
1	17. The method of claim 16 wherein:
2	selecting comprises
3	selecting the determined work item that has a highest sum of

the weighted business value and the weighted work item treatment value.

1	16. The method of claim 15 wherein.
2	the work item treatments of a work item comprise a time that
3	the work item has been waiting for service and an estimated time that the
4	work item will have to wait for service.
1	19. The method of claim 18 wherein:
2	the treatments of a work item further comprise a time by which
3	the work item has exceeded its target wait time.
1	20. The method of claim 18 wherein:
2	the estimated wait time that the work item will have to wait for
3	service comprises a product of (a) a ratio of a total number of work items
4	waiting for service and an average number of work items waiting for
5	service and (b) a sum of average wait times of individual said needed
6	skills each weighted by a ratio of the weight of said individual skill and a
7	sum of the weights of the needed skills.
	Nas X.1
1	21. A method of selecting a work item for a resource,
2	comprising:
3	determining available work items that need skills possessed by
4	the resource;
5	for each of the determined work items, determining a business
6	value comprising a sum across all skills of a product of a skill level of the
7	resource in the skill and a skill weight of the work item for the skill;
8	for each of the determined work items, determining a work item
9	treatment value comprising a sum across all work item treatments of a
10	product of the value of the work item for the work item treatment and a
11	weight of the work item treatment; and
12	selecting a determined work item that has a best combined
13 🛴	score of its business value and work item treatment value, to be served b
14	the resource.

1	22. The method of claim 21 wherein:
2	the work item treatments of a work item comprise a time that
3	the work item has spent waiting to be serviced, an estimated time that the
4	item will spend waiting to be serviced, and a time by which the work item
5	has exceeded its target waiting time.
1	23. The method of claim 21 wherein:
2	determining a business value comprises
3	determining a scaled business value comprising the business
4	value scaled by a first scaling factor that is common to all of the
5	determined work items;
6	determining a work item treatment value comprises
7	for each work item treatment, determining a scaled value of the
8	work item comprising the value of the work item for that work item
9	treatment scaled by a scaling factor that is common for that work item
0	treatment to all of the determined work items, and
1	determining a scaled work item treatment value comprising a
2	sum, scaled by a second scaling factor that is common to all of the
3	determined work items, across all work item treatments of a product of the
4	scaled value of the work item for the work item treatment and a weight of
5	the work item for the work item treatment; and
6	selecting comprises
7	selecting a determined work item that has a best sum of its
8	scaled business value and its scaled work item treatment value, to be
9	served by the resource.
1	24. The method of claim 23 wherein:
2	each scaling factor comprises a fraction having in its
3	denominator a maximum value of the value to which said scaling factor

applies of any of the work items.

- 25. An apparatus that performs the method of any one of the
- 2 claims 1-24.
- 1 26. A computer-readable medium containing instructions
- which, when executed in a computer, cause the computer to perform the
- method of any one of claims 1-24.

Re